Anand® MEDICAIDS
PRIVATE LIMITED

Instruction Cum User Manual
For **HI VAC PLUSS 60 LTR/MIN**

CE
2195

Dear custome

Congratulations on your purchase of this versatile and need oriented suction unit. It will serve you well for years, if properly looked after. It is designed for use in hospitals and nursing homes.

1. Non corrosive and shockproof Suction Unit has diaphragm pumps on 220 – 230 V Motors (180 watts). No lubrication is required and it is not for continuous drainage of body cavities.

2 The panel has a vacuum gauge with release valve, 2 safety jars, and approx. 30 and 60 L/min rocker switch with 'off' in the centre. Below the panel is a 2-way changeover lever for collection in one jar at a time.

3 The unit is fitted with double overflow preventive devices - one in each jar lid and the other away from the lid in the form of safety (trap) jars for each collection jar fitted with electronic sensors which, in the event of fluid entering, strips electric connection, thereby preventing fluid from entering the pump.

4 Removable polycarbonate filter on the safety jar entraps the splash droplets and is autoclavable. The replaceable filter element filters the evacuated air before it enters the pumps and thereby infects the environment. The element can be changed after each use and necessarily after infective suction has been done or when it gets wet.

5 Additional 2 volt footswitch enables the user to activate and deactivate the pump from a distance. The main switch on the panel must be on the 'On' position.

6 Before each use, the required vacuum can be obtained by occluding the patient tube.

7 As the flow rate is high, ¾ th filling of the jars is recommended.

Vacuum at Altitudes

The specified maximum vacuum refers to sea level. According to local conditions, and barometric pressure, slight deviations in vacuum reading may be noted. As a reference, the table below shows several factors, by which the indicated maximum vacuum value must be multiplied, according to the altitude of location where the measurement is carried out.

Location / Maximum Vacuum

Location	Sea level	1000m	2000m	4000m
Factor	1.00	0.88	0.78	0.60

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Before the unit is put on please see that :

1. 'O' rings on the push-in connector and safety jar legs are not worn out. Both these should be well inserted.
2. Jars be checked for any crack, tubing and lids be tightly placed on the jars. The angular connectors must be inserted as far as the stop. While unplugging, twist and pull.
3. Adjust vacuum before use. Fully tightened clockwise knob means full vacuum.

CLEANING AND DISINFECTING: After each use, jars, lids, overflow cut off valve, catheters, etc. should be cleaned thoroughly. When cleaning is necessary after infective fluid has been evacuated, the jars, lids and cut off valve can be sterilized by autoclaving upto 120° C for 20 minutes. Alkaline cleaning agents and disinfectants based on phenyel may not be used.

Adherence to hospital directives on hygiene is of prime importance. The instructions provided by the suppliers of cleaning agents as well as by the manufacturers of sterilization and / or disinfection units must also be followed, where application, temperature, process duration and airing, etc. are concerned.

PUMP

The unit is fitted with two diaphragm pumps. The finest quality diaphragm sucks and throws air through the two specially-designed (fly) umbrella valves. The life of these three rubber parts is 400 to 800 working hours, subject to the proper following of the instruction.

a) Open three star-head screws on the back of the stainless steel base joining with the enclosure. Locate the pump which is giving no or less vacuum.
b) Disconnect the tube from the inlet and outlet points on the pump housing.
c) Unscrew the 4 hexa bolts from the bottom of the unit and take out the motorized pumps fitted on (and together with) the platform.
d) The fly valves are fitted in the top of each pump which can be opened. The valve and sieve are alternately fitted one upon the other in two nozals making one for vacuum and the other for outlet. The diaphragm is fitted below the top plate and over the eccentrically rotated came the base with motors is fitted. Just wipe clean these parts and set the unit again.
e) Please run the unit and see its satisfactory functioning before the base with motors is fitted and the back plate is screwed up. Unlike the rotary design, NO LUBRICATION IS REQUIRED IN THIS PUMP.

GUIDELINES

1. Before the unit is used, read the Instruction Manual (and keep it handy). Check that the tubes, lids, filter, push-in nozals are tightly placed, vacuum control knob is tight (clockwise) and no tube is kinked.

2. Ascertain the flow required: Required vacuum can be obtained by occluding the patient tube and adjusting the vacuum release valve.

3. When the level reaches the maximum marked on the jar, redirect the flow to the empty jar with the changeover lever, and switch over the patient tube also.

4. The unit has to be used by trained medical personnel and maintained by Maintenance Engineer.

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TERMS OF WARRANTY

Anand Medicaids Private Limited warranty the high quality and workmanship of each Anand's HI-VAC for a period of one year subsequent to the date of delivery by the company. During this period, faulty material will be replaced free of charge. This warranty does not extend to components that are subject to wear and tear in the course of normal operation or due to improper treatment/maintenance as per instructions.

Further conditions in accordance with international standard IEC 601.1 item 6.8.2b.

The manufacturer is only responsible for effects on the safety, the reliability and the performance of the appliance if

• Installation, additions, adjustments, modifications or repairs are carried out by personnel authorized by the manufacturer

• The electrical installations within the room concerned satisfy the requirements laid down by IEC.

• The appliance is used in full accordance with the instruction manual which is solely a guide and no substitute for professional training. The safe and effective use of this product largely depends on the skill of the operator. We are not liable for any damages due to mishandling or improper and unauthorised use.

• The company reserve the right to change technical specifications, designations and catalogue numbers without prior notice.

Note

Ensure that your electrical wirings are well earthed with 1 line and 1 neutral phase and your voltage is between 220V 240V. 50 Hz.

Ensure that the suction unit should not be lifted above human body level.

Dispose of used product/packaging in safe manner so as not to harm stray cattle, children and environment.

WARRANTY CARD

Model No. _____

SN _____

Date of Purchase: _____

Dealer Name: _____

Stamp :

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EC REP

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